Index of Claims

| Application/Control No | ٥. |
|------------------------|----|

10/042,495

Examiner Viet Vu Applicant(s)/Patent under Reexamination

CHANG ET AL.

Art Unit

2154

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim \ Date |          |  |          | ]::::    | Claim Date    |          |          |        |    |                        | С        | laim          | Date     |  |                 |          |           |                       |              |          |                 |          |          |          |          |          |          |        |          |
|--------------|----------|--|----------|----------|---------------|----------|----------|--------|----|------------------------|----------|---------------|----------|--|-----------------|----------|-----------|-----------------------|--------------|----------|-----------------|----------|----------|----------|----------|----------|----------|--------|----------|
|              | T        | 13/or  |          |          |               |          | T        |        | 1  |                        |          |               | Т        | T  |                 |          | $\top$    |                       |              |          |                 |          |          | Ī        |          | Т        | $\top$   | $\top$ | ヿ        |
| Final        | Original | 2  |          |          |               |          |          |        |    | न्न                    | Original | li            |          |  |                 |          |           |                       | ल            | Original | ١.              |          |          | -        |          |          |          | - 1    | ı        |
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|              | 1        |  |          | i        | $\Box$        |          |          |        | 1  |                        | 51       | $\Box$        |          | <del>                                     </del> | H               |          | $\top$    | <b>-</b>  ::::        |              | 101      |                 | $\vdash$ | 十        | $\dashv$ | 十        | 十        | $\dashv$ | +      | ┪        |
|              | 1        | Г  |          | $\top$   | $\Box$        | $\neg$   | T        | 1      | 1  |                        | 52       |               |          | $\top$   | $\vdash$        | $\top$   | T         | -                     |              | 102      |                 | $\vdash$ | $\dashv$ | _        | $\dashv$ | $\dashv$ | -        | +      | ⊣        |
|              | 13       |  | $\neg$   | 1        | $\Box$        | $\neg$   | 1        | +      | 1  |                        | 53       | +             | ╅        | 1-   | H               | +        | 1         |                       | $\vdash$     | 103      |                 | $\vdash$ | +        | +        | 7        | -+       | +        | +      | $\dashv$ |
|              | 14       |  | $\dashv$ | $\top$   | 1 1           |          |          | +      | 1  |                        | 54       | -             |          | 1  | П               | $\dashv$ | 1 1       |                       | <u> </u>     | 104      |                 | $\vdash$ | $\dashv$ | 十        | 7        | +        | +        | +      | ᅱ        |
|              | 1        | $\vdash$   |          | 1        |               | 寸        | _        | $\top$ | 1  |                        | 55       |               | +        | $\top$   | Н               |          | + +       | $\dashv$              |              | 105      | $\vdash$        | $\vdash$ | $\dashv$ | _        | ┪        | $\dashv$ | +        | +      | ᅥ        |
|              | d        | <del>                                     </del> | $\top$   | 1        |               | 寸        | _        | 7      | 1  |                        | 56       |               | +        | +-   |                 |          | +-+       |                       |              | 106      |                 | $\vdash$ | _        | 7        | $\dashv$ | $\dashv$ | +        | +      | ㅓ        |
|              | 1        | İ  |          |          |               | 寸        | $\dashv$ | $\top$ | 1  |                        | 57       |               | $\dashv$ | +  | H               | $\neg$   | 11        |                       |              | 107      |                 | $\vdash$ | $\dashv$ | +        | ┪        | 十        | +        | +      | ۲        |
|              | 8        |  |          | T        | 1 1           |          | $\neg$   |        | 1  |                        | 58       |               | 1        | 1  | П               | +        | +         |                       |              | 108      |                 | -        | 十        | ┪        | 7        | _        | 十        | +      | ヿ        |
|              | 1        | <u> </u>   |          |          | 1 1           | 寸        | 1        | $\top$ | 1  |                        | 59       |               | $\top$   | $\top$   | H               | _        |           | -                     |              | 109      | -               | $\dashv$ | -+       | +        | -        | ┰        | +        | +      | Ⅎ        |
|              | 10       | T  |          |          | 1             | $\neg$   | _        |        | 1  |                        | 60       | $\dashv$      | $\top$   | +  | Н               | _        | 1 1       |                       | _            | 110      | $\vdash$        | _        | $\dashv$ | ╅        | 十        | -+       | +        | +      | ᅥ        |
|              | 111      | t  |          | _        | 1 1           | $\dashv$ |          |        | 1  | -                      | 61       | _             | $\top$   | <b></b>  |                 | _        | +         |                       | _            | 111      | ┢               | $\vdash$ | 十        | ┪        | -+       | $\dashv$ | +        | +      | ᅱ        |
|              | 12       | t  | $\vdash$ | $\top$   | 1 1           | $\dashv$ |          |        | 1  |                        | 62       | $\dashv$      | $\top$   | +-   | $\vdash$        | $\dashv$ | $\dagger$ |                       | <u> </u>     | 112      |                 | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +      | ᅱ        |
|              | 13       | Т  | $\vdash$ |          | T             | 一        |          | $\top$ | 1  | $\Box$                 | 63       | -             | $\top$   | +  | $\vdash$        | $\dashv$ | +         |                       | <u> </u>     | 113      | $\vdash$        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +      | ᅱ        |
|              | 14       | †  |          | $\neg$   | $T^{\dagger}$ | $\dashv$ | T t      |        | 1  | М                      | 64       | $\dashv$      | +        | +  | $\vdash$        | _        | ++        | -                     |              | 114      | $\vdash$        | $\vdash$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | +        | +      | ᅱ        |
| <b></b>      | 15       | t  | -        | _        | $\Box$        | $\dashv$ |          |        | 1  | $\vdash$               | 65       | -             | +        | +  | $\vdash$        | $\dashv$ | +         |                       | <del></del>  | 115      | <u> </u>        | $\vdash$ | $\dashv$ | +        | -+       | $\dashv$ | +        | +      | $\dashv$ |
| <b></b>      | 15       | T  |          |          | $\Box$        | 寸        | $\dashv$ |        | 1  |                        | 66       | $\dashv$      | +        | +  | Н               | ┰        | +         |                       | <del></del>  | 116      | <u> </u>        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +-     | ㅓ        |
| <b></b>      | 17       | T  |          | $\neg$   |               | $\neg$   | $\dashv$ | -      | 1  |                        | 67       | $\dashv$      |          | +  | H               |          | + +       |                       |              | 117      |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        | +      | $\dashv$ |
|              | 18       | t  |          | +        | $\vdash$      | $\dashv$ |          | _      | 1  |                        | 68       | _             | +        | 1  | H               | $\dashv$ | 1 1       | $\dashv$              |              | 118      | H               | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$ | +        | +      | $\dashv$ |
|              | 16       | ┢  |          | 1        |               | -        | +        |        | 1  |                        | 69       |               | +        | +-   | $\vdash$        |          | ++        | $\dashv$              |              | 119      | H               | $\dashv$ | $\dashv$ | $\dashv$ | ᆉ        | $\dashv$ | +        | +      | $\dashv$ |
| $\vdash$     | 1        | 1  |          | 1        | $\vdash$      | $\dashv$ | _        |        | 1  | <b>——</b>              | 70       | $\dashv$      | +        | +  | $\vdash$        |          | +         | $\dashv$              |              | 120      | $\vdash$        |          | $\dashv$ | $\dashv$ | -        | $\dashv$ | +        | +      | $\dashv$ |
|              | 21       |  |          | 1        | 1 1           | $\dashv$ | _        | _      | 1  |                        | 71       |               | +        | +-   | $\vdash$        | -+       | +         |                       |              | 121      | H               | -+       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +      | ᅱ        |
| $\vdash$     | 22       | =  |          | +        | 1             | -+       | _        | +      | ┨Ш | $\vdash$               | 72       | +             | +        | +  |                 |          | +         | $\dashv$              | _            | 122      | -               |          | $\dashv$ | +        | ᆉ        | -+       | +        | +      | $\dashv$ |
|              | 23       | =  | -+       | +        | $\Box$        | 7        | _        | +      | ┧  |                        | 73       | +             | +        | ╁  | $\vdash$        |          | 1 1       | $\dashv$              | <u> </u>     | 123      | <del> </del>    | -+       | $\dashv$ | $\dashv$ | -        | -+       | +        | +      | $\dashv$ |
|              | 24       | Ë  | _        | +        | +             | $\dashv$ |          | +      | 1  | $\vdash$               | 74       | -             | +        | +  |                 | +        | +         | -                     | $\vdash$     | 124      | -               | $\vdash$ | +        | $\dashv$ | +        | $\dashv$ | +        | +      | $\dashv$ |
|              | 25       | 一  | _        | +        | $\Box$        | $\dashv$ | $\dashv$ |        | 1  |                        | 75       |               | -        | +  | H               | +        | +-+       |                       |              | 125      | $\vdash$        | $\dashv$ | -+       | +        | - +      | $\dashv$ | +        | +      | $\dashv$ |
|              | 26       | 一  | $\dashv$ | $\top$   | ++            | +        | +        | +      | -  |                        | 76       |               | ╅        | +  | $\vdash$        | +        | +         |                       |              | 126      |                 | $\dashv$ | -+       | $\dashv$ | $\dashv$ | $\dashv$ | +        | +      | ᅱ        |
|              | 27       |  | +        | $\top$   | ╁┼            | $\dashv$ | +        | +      | 1  |                        | 77       | -             | +        | +  | $\vdash$        | +        | +         |                       | <del></del>  | 127      | _               | $\dashv$ |          | $\dashv$ |          | $\dashv$ | +        | +      | ⊣        |
|              | 28       |  | _        | $\top$   | $\Box$        | 寸        | +-       |        | 1  | -                      | 78       | $\overline{}$ |          | +  | H               | $\dashv$ | +         |                       | <del>-</del> | 128      |                 | $\dashv$ | $\dashv$ | +        | +        |          | +        | +      | ᅥ        |
|              | 29       | T  | $\dashv$ | +        |               | $\dashv$ | +        | ╅      | 1  |                        | 79       | +             | -        | +  | $\vdash$        | +        | + +       |                       |              | 129      | Н               | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        | +      | $\dashv$ |
|              | 30       | <del>                                     </del> | $\dashv$ | +-       | $\Box$        | $\dashv$ | $\dashv$ | +      | 1  |                        | 80       |               | +        | +  | $\vdash$        | $\dashv$ | +         | $\dashv$              | _            | 130      | -               | -+       | +        | ╅        | -        | +        | +        | +      | ┨        |
| $\vdash$     | 31       | Н  | _        | +        | 1 1           | 一        | 十        | +      | 1  | _                      | 81       | $\vdash$      | +        | +  | $\vdash$        | +        | ++        | -                     |              | 131      |                 | -        | $\dashv$ | -+       | $\dashv$ | +        | +        | +      | ᅱ        |
|              | 32       | t  | +        |          | $\vdash$      | -+       | +        | +      | 1  |                        | 82       | +             | ┰        | +  | $\vdash$        | +        | +         |                       |              | 132      |                 | +        | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +      | $\dashv$ |
|              | 33       | $\vdash$   | -        | +        | + +           | $\dashv$ | +        | +-     |    | -                      | 83       | -             | +        | +  | $\vdash$        | _        | +         |                       | _            | 133      |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | +        | +      | $\dashv$ |
|              | 34       | <u> </u>   |          | $\top$   | $\vdash$      | $\dashv$ | $\dashv$ | +-     |    |                        | 84       |               | +        | +-   | 1               | $\dashv$ | 1 1       |                       |              | 134      | -               | -        | $\dashv$ | +        | $\dashv$ | +        | +        | +      | ᅱ        |
| $\vdash$     | 35       | ┢  | $\top$   | +        | 1 1           | 一        | $\dashv$ | +      | 1  | H                      | 85       |               | +        | +  | $\vdash \vdash$ | $\dashv$ | ++        |                       |              | 135      |                 | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ | +        | +      | $\dashv$ |
|              | 36       | $\vdash$   | +        | +        |               | +        | $\dashv$ | +      | 1  | $\vdash \vdash \vdash$ | 86       | -             | +        | +  | $\vdash$        | $\dashv$ | ++        |                       |              | 136      | $\vdash$        | +        | $\dashv$ | +        | $\dashv$ | +        | +        | +      | $\dashv$ |
| <u> </u>     | 37       |  | $\neg +$ |          | t             | $\dashv$ | $\dashv$ | +      | 1  | $\vdash \vdash$        | 87       | $\vdash$      | +        |  |                 | +        | ++        |                       |              | 137      | $\vdash$        | $\dashv$ | $\dashv$ | +        | +        | +        | +        | +      | $\dashv$ |
|              | 38       |  |          | $\dashv$ | $\dagger$     | $\dashv$ | $\dashv$ | +-     | 1  | $\vdash$               | 88       | +             | +        | +  | $\vdash$        | +        | ++        | -1::::                |              | 138      | $\vdash$        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | +        | +      | ᅱ        |
|              | 39       | П  | $\dashv$ | $\top$   | 1 1           | $\dashv$ | $\dashv$ |        | 1  | H                      | 89       | -             | +        | $\top$   | H               | _        | ++        | $\dashv$              |              | 139      |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +      | $\dashv$ |
| <u> </u>     | 40       | П  | $\dashv$ | 1        | +             | $\dashv$ | $\dashv$ |        | 1  | $\vdash \vdash$        | 90       | $\dashv$      | +        | +  | $\vdash \vdash$ | -        | ++        | -                     |              | 140      | Н               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +      | $\dashv$ |
|              | 41       |  | _        | +        | 1 –           | $\dashv$ | $\dashv$ | $\top$ | 1  | $\vdash \vdash$        | 91       | $\dashv$      | +        | +  | H               | $\dashv$ | ++        | $\dashv$              | -            | 141      | Н               | $\dashv$ | +        | $\dashv$ | -+       | $\dashv$ | +        | +      | $\dashv$ |
|              | 42       |  |          | $\top$   | 1 1           | +        | -        | +      | 1  | 1                      | 92       | +             | +        | +  | $\vdash$        | +        | ++        |                       |              | 142      | Н               | $\dashv$ | -+       | +        | $\dashv$ | $\dashv$ | +        | +      | $\dashv$ |
|              | 43       | П  | $\neg +$ | $\top$   | † †           | $\dashv$ | $\dashv$ | $\top$ | 1  | $\vdash$               | 93       | $\dashv$      | +        | +-   | $\vdash$        |          | ++        |                       |              | 143      | $\vdash$        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | +        | +      | ᅱ        |
|              | 44       | М  | _ _      | 1        |               | 一        | $\dashv$ | 1      | 1  | $\vdash$               | 94       | $\dashv$      | +        | H  | $\vdash$        | $\dashv$ | +         |                       |              | 144      | $\vdash$        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +      | $\dashv$ |
|              | 45       | М  | $\dashv$ | $\top$   | $\Box$        | +        | $\dashv$ |        | 1  | $\vdash$               | 95       | +             | +        | +-1  | $\vdash$        |          | ++        | -                     |              | 145      | $\vdash \vdash$ | $\dashv$ | +        | $\dashv$ | +        | $\dashv$ | +        | +      | $\dashv$ |
|              | 46       | П  | $\top$   | -i       | +             | $\dashv$ | $\neg$   | 1      | 1  |                        | 96       | 十             | +        | +  | $\dashv$        | +        | +-+       |                       |              | 146      | $\vdash$        | $\dashv$ | +        | $\dashv$ | -        | $\dashv$ | +        | +      | $\dashv$ |
|              | 47       | М  | $\dashv$ | $\top$   |               | 十        | _        | 1      | 1  | $\vdash$               | 97       |               | +        | $\top$   | $\vdash$        | +        | ++        | -                     |              | 147      | -               | $\dashv$ | -+       | +        | $\dashv$ | $\dashv$ | +        | +      | ᅱ        |
|              | 48       | H  | $\dashv$ | _        | +             | $\dashv$ | _        | +-     | ۱  | $\vdash$               | 98       | $\dashv$      | +        | +  | $\vdash$        |          | ++        | -                     | _            | 148      | -               | +        | $\dashv$ | $\dashv$ | +        | +        | +        | +      | $\dashv$ |
| <u> </u>     | 49       | П  |          | $\top$   | $\vdash$      | $\dashv$ | +        | $\top$ | 1  | $\vdash$               | 99       | $\dashv$      | +        | +  | $\vdash$        | $\dashv$ | +         | $\dashv \blacksquare$ |              | 149      |                 | $\dashv$ | $\dashv$ | +        | +        | -+       | +        | +      | $\dashv$ |
|              | 50       | М  | _        | 1        | $\Box$        | _        | _        | $\top$ |    |                        | 100      | $\dashv$      | 十        | +  |                 | $\dashv$ | ╁╼┼       | -                     |              | 150      | -               | +        | $\dashv$ | +        | $\dashv$ | $\dashv$ | +        | +      | $\dashv$ |
|              |          |  |          |          |               |          |          |        | J  |                        |          |               |          | 1  |                 |          |           |                       |              | 1 100    |                 | - 1      | - 1      | - 1      | - 1      | - 1      | 1        | - 1    | - 1      |